



1" WATER SPECIALIST VALVE SPECIFICATIONS









SPECIFICATIONS	WS1 WS1CS	WS1EE WS1SP	WS1TC
Service @ 15 psi drop	27 gpm (includes meter and bypass) 27 gpm	27 gpm (includes meter and bypass) 27 gpm	27 gpm (includes bypass) 27 gpm
Backwash @ 25 psi drop	(includes bypass)	(includes bypass)	(includes bypass)
Tank Applications:			
Softener Filter (1)	6" - 21" diameter 6" - 21" diameter	6" - 21" diameter 6" - 21" diameter	6" - 21" diameter 6" - 21" diameter
Inlet/Outlet Fitting Connections	1" - 1.25" NPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent 3/4" - 1" SharkBite®	1" - 1.25" NPT ¾" - 1.5" Sweat ¾" - 1.5" Solvent ¾" - 1" SharkBite®	1" - 1.25" NPT ¾" - 1.5" Sweat ¾" - 1.5" Solvent ¾" - 1" SharkBite®
Valve Material Cycles Regeneration	Noryl (2) Up to 6 Downflow/Upflow	Noryl (2) Up to 6 Downflow	Noryl (2) Up to 6 Downflow
Operating Pressures Operating Temperatures	20 - 125 psi 40° - 110° F	20 - 125 psi 40° - 110° F	20 - 125 psi 40° - 110° F
Meter: Flow Rate Range Volume Range (gallons) Totalizer	0.25 - 27 gpm 20 - 50,000 gallons Yes	0.25 - 27 gpm 20 - 1,500,000 gallons Yes	Not Applicable
Distributor Pilot	1.050" O.D. Pipe ¾" NPS	1.050" O.D. Pipe ¾" NPS	1.050" O.D. Pipe ¾" NPS
Drain Line Connection	34" Male NPT Standard 1" Male NPT Optional	34" Male NPT Standard 1" Male NPT Optional	¾" Male NPT Standard 1" Male NPT Optional
Brine Line Connection	%" or ½" O.D. Poly Tube Compression	3/8" or 1/2" O.D. Poly Tube Compression	%" or ½" O.D. Poly Tube Compression
Mounting Base Options	2½" - 8 NPSM	2½" - 8 NPSM	2½" - 8 NPSM
Height From Top of Tank	7¾"	7¾"	7¾"
Shipping Weight	4.5 lbs.	4.5 lbs.	4.5 lbs.
Electrical: Supply Voltage	120V AC	120V AC or 6AA NMHB	120V AC
Supply Frequency	60 Hz 12V AC	60 Hz 12V AC	60 Hz 12V AC
Output Voltage Output Current	500 mA	500 mA	500 mA

- 1. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area
- 2. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
- 3. Acquired by use of external drain line flow control

1.25" WATER SPECIALIST VALVE SPECIFICATIONS







WS1.25 WS1.25CS	WS1.25EE WS1.25SP	WS1.25TC
34 gpm	34 gpm	34 gpm
(includes meter and bypass)	(includes meter and bypass)	(includes bypass)
32 gpm (3)	32 gpm (3)	32 gpm (3)
(includes bypass)	(includes bypass)	(includes bypass)
6" - 21" diameter	6" - 21" diameter	6" - 21" diameter
6" - 24" diameter	6" - 24" diameter	6" - 24" diameter
1" - 1.25" NPT	1" - 1.25" NPT	1" - 1.25" NPT
¾" - 1.5" Sweat	¾" - 1.5" Sweat	¾" - 1.5" Sweat
¾" - 1.5" Solvent	¾" - 1.5" Solvent	¾" - 1.5" Solvent
¾" - 1" SharkBite®	¾" - 1" SharkBite®	¾" - 1" SharkBite®
Noryl (2)	Noryl (2)	Noryl (2)
Up to 6	Up to 6	Up to 6
Downflow	Downflow	Downflow
20 - 125 psi	20 - 125 psi	20 - 125 psi
40° - 110° F	40° - 110° F	40° - 110° F
0.25 - 34 gpm 20 - 50,000 gallons Yes	0.25 - 34 gpm 20 - 1,500,000 gallons Yes	Not Applicable
1.32" O.D. Pipe	1.32" O.D. Pipe	1.32" O.D. Pipe
1" NPS	1" NPS	1" NPS
¾" Male NPT Standard 1" Male NPT Optional	3/4" Male NPT Standard 1" Male NPT Optional	3/4" Male NPT Standard 1" Male NPT Optional
¾" or ½" O.D. Poly Tube Compression	3/6" or 1/2" O.D. Poly Tube Compression	%" or ½" O.D. Poly Tube Compression
2½" - 8 NPSM	2½" - 8 NPSM	2½" - 8 NPSM
73/8"	7%"	73/8"
4.5 lbs.	4.5 lbs.	4.5 lbs.
120V AC	120V AC or 6AA NMHB	120V AC
60 Hz	60 Hz	60 Hz
12V AC	12V AC	12V AC
500 mA	500 mA	500 mA

1.5" & 2" WATER SPECIALIST VALVE SPECIFICATIONS







SPECIFICATIONS	WS1.5EE WS1.5SP	WS2EE WS2SP
Service @ 15 psi drop Backwash @ 25 psi drop	70 gpm 52 gpm	115 gpm 80 gpm
Tank Applications: Softener Filter (1)	12" - 24" diameter 12" - 30" diameter	12" - 48" diameter 12" - 36" diameter
Inlet/Outlet Fitting Connections	1.5" Female NPT	2" Female NPT
Valve Material Cycles Regeneration	Lead Free Brass Up to 6 Downflow	Lead Free Brass Up to 6 Downflow
Operating Pressures Operating Temperatures	20 - 125 psi 40° - 110° F	20 - 125 psi 40° - 110° F
Meter: Flow Rate Range Volume Range (gallons) Totalizer	0.5 - 75 gpm 20 - 1,500,000 gallons Yes	1.5 - 150 gpm 20 - 1,500,000 gallons Yes
Distributor Pilot	1.90" O.D. Pipe 1.5" NPS	1.90" O.D. Pipe 1.5" NPS
Drain Line Connection	1.25" Female NPT with 3/4" Male NPT Standard 1" Male NPT Optional	1.5" Female NPT
Brine Line Connection	34" Female NPT 1/2" O.D. Poly Tube Compression	1" Male NPT elbow 3/4" x 1" Solvent elbow 1/2" O.D. Poly Tube Compression
Mounting Base Options	4" - 8 UN	4" - 8 UN
Height From Top of Tank	9.5"	7.5"
Shipping Weight with Meter	21 lbs.	29 lbs.
Electrical: Supply Voltage Supply Frequency Output Voltage	120V AC or 6AA NMHB 60 Hz 12V AC	120V AC or 6AA NMHB 60 Hz 12V AC
Output Current	500 mA	500 mA

^{1.} Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

2" & 3" WATER SPECIALIST VALVE SPECIFICATIONS





WS2EE/QC WS2SP/QC	WS2H	WS3
125 gpm 85 gpm	125 gpm (includes meter) 125 gpm	250 gpm 220 gpm
12" - 48" diameter 12" - 36" diameter	18" - 63" diameter 18" - 48" diameter	18" - 96" diameter (2) 18" - 63" diameter
2" Female NPT	2" Female NPT/ 2.5" Groove Lock	3" Female NPT
Lead Free Brass Up to 6 Downflow	Lead Free Brass Up to 9 Downflow	Lead Free Brass Up to 9 Downflow
20 - 125 psi 40° - 110° F	20 - 125 psi 40° - 110° F	20 - 125 psi 40° - 110° F
1.5 - 150 gpm 20 - 1,500,000 gallons Yes	1.5 - 125 gpm 10 - 999,000 gallons Yes	3.5 - 350 gpm 10 - 999,000 gallons Yes
2.375" O.D. Pipe 2" NPS	2.375" O.D. Pipe 2" NPS	3.5" O.D. Pipe 3" NPS
1.5" Female NPT	2" Female NPT/ 2.5" Groove Lock	3" Female NPT
1" Male NPT elbow 34" x 1" Solvent elbow 12" O.D. Poly Tube Compression	1" Male NPT elbow 3/4" x 1" Solvent elbow	1" Male NPT elbow 34" x 1" Solvent elbow
Quick Disconnect 4" - 8 UN 6" Flange Side Mount	Quick Disconnect 4" - 8 UN 6" Flange Side Mount	Quick Disconnect 6" Flange Side Mount
with 4" - 8 UN QC Base is 11.2" with 6" Flange QC Base is 11.3"	with 4" - 8 UN QC Base is 11.5" with 6" Flange QC Base is 11.6"	with 6" Flange QC Base is 12.5"
29 lbs.	50 lbs.	57 lbs. (no meter)
120V AC or 6AA NMHB 60 Hz 12V AC 500 mA	120V AC 60 Hz 24V AC 750 mA	120V AC 60 Hz 24V AC 750 mA

1" & 1.25" Control Valve Fittings and Accessories











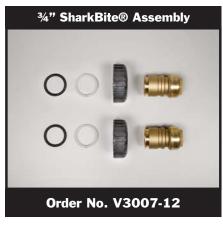














1" & 1.25" Control Valve Fittings and Accessories

























1" & 1.25" Control Valve Fittings and Accessories

1" & 1.25"
Motorized Alternating Valve



Order No. V3069FF-01 • F x **F**

1" & 1.25"
No Hard Water Bypass Valve

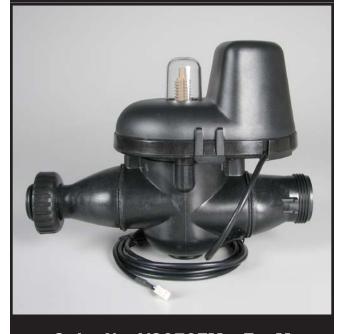
Order No. V3070FF • F x F

1" & 1.25"
Motorized Alternating Valve



Order No. V3069MM-01 • M x M

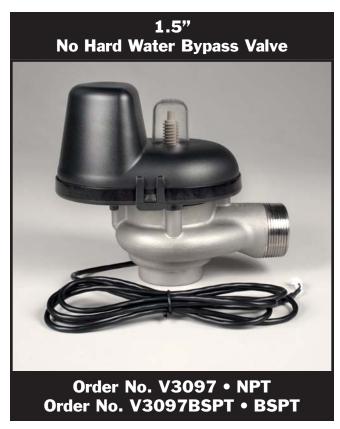
1" & 1.25"
No Hard Water Bypass Valve



Order No. V3070FM • F x M

1.5" and 2" Control Valve Accessories









3" Control Valve Accessories

